

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Attorney Docket Q68645

Joel JACQUET

Appln. No.: Not Assigned

Confirmation No.: Not Assigned

Group Art Unit: Not Assigned

Filed: February 22, 2002

Examiner: Not Assigned

For: A LASER THAT CAN BE TUNED QUICKLY OVER A WIDE BAND

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please enter the following amended claims:

6. (Amended)The wavelength-tunable laser claimed in claim 4 wherein a sampled Bragg grating of said waveguide has a pitch that is not constant.

7. (Amended)The wavelength-tunable laser claimed in claim 1 wherein said first cavity is formed between a first outside face of said first section and an outside face of said second section.

8. (Amended)The wavelength-tunable cavity claimed in claim 1 wherein said first cavity is formed between a first outside face of said first section and an entry face of said reflector.

9. (Amended)The wavelength-tunable laser claimed claim 1 wherein the variation of the effective group index of said phase tuning second active section is obtained by a Franz Keldysh effect.

10. (Amended)The wavelength-tunable laser claimed in claim 1 wherein the variation of the effective group index of said phase tuning second active section is obtained by a Stark quantum confinement electro-optical effect.

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REMARKS

Entry and consideration of this Amendment is respectfully requested.

Respectfully submitted,



David J. Cushing

Registration No. 28,703

SUGHRUE MION, PLLC
2100 Pennsylvania Avenue, N.W.
Washington, D.C. 20037-3213
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

Date: February 22, 2002

APPENDIX

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

The claims are amended as follows:

6. (Amended) The wavelength-tunable laser claimed in claim 4 ~~or claim 5~~ wherein a sampled Bragg grating of said waveguide has a pitch that is not constant.

7. (Amended) The wavelength-tunable laser claimed in ~~any of claims 1 to 5~~ claim 1 wherein said first cavity is formed between a first outside face of said first section and an outside face of said second section.

8. (Amended) The wavelength-tunable cavity claimed in ~~any of claims 1 to 5~~ claim 1 wherein said first cavity is formed between a first outside face of said first section and an entry face of said reflector.

9. (Amended) The wavelength-tunable laser claimed ~~in any of claims 1 to 5~~ claim 1 wherein the variation of the effective group index of said phase tuning second active section is obtained by a Franz Keldysh effect.

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10. (Amended) The wavelength-tunable laser claimed in ~~any of claims 1 to 5~~ claim 1 wherein the variation of the effective group index of said phase tuning second active section is obtained by a Stark quantum confinement electro-optical effect.